

What Is Claimed Is:

1. A fuel injector having a valve-closure member, which cooperates with a sealing seat of a valve seat, and having a flow exit region for fuel situated downstream from the sealing seat, wherein projections (22), which influence the fuel flow, are situated in the flow exit region (14).
2. The fuel injector as recited in Claim 1, wherein the flow exit region (14) is formed by a first wall (15) and a second wall (16) lying opposite the first wall (15), an exit gap (17) being provided between the first wall (15) and the second wall (16).
3. The fuel injector as recited in Claim 2, wherein the projections (22) are situated on the first wall (15) and/or on the second wall (16) of the flow exit region (14).
4. The fuel injector as recited in Claim 2, wherein, relative to the first wall (15) having a first flow edge (18), the second wall (16) having a second flow edge (19) ends after the first wall (15) having a first flow edge (18) in the flow direction.
5. The fuel injector as recited in Claim 1, wherein the projections (22) have a height, measured perpendicular to a surface (23) of the flow exit region (14), that is smaller than 100 micrometers and greater than the roughness peaks of the surface (23).
6. The fuel injector as recited in Claim 2, wherein the projections (22) are situated in the exit gap (17).
7. The fuel injector as recited in Claim 4, wherein the projections (22) are situated downstream from the first flow edge (18).

8. The fuel injector as recited in Claim 1,  
wherein the projections (22) have a cylindrical, tetrahedral, pyramidal,  
conical, prism-like, rectangular, semispherical or nub-type shape.
9. The fuel injector as recited in Claim 1,  
wherein the height of the projections (22) increases or decreases  
downstream in a continuous or stepwise manner.
10. The fuel injector as recited in Claim 1,  
wherein the projections (22) are provided in one or a plurality of rows  
(24) set up transversely to the flow.
11. The fuel injector as recited in Claim 10,  
wherein the projections (22) are arranged at a mutual offset from row  
(24) to row (24).
12. The fuel injector as recited in Claim 1,  
wherein the projections (22) are produced by roughening, micro-  
embossing, laser removal, etching, micro-electroplating or deposition of  
a coating.